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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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09/920,966

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Masuyo Horiguchi

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10/05/2006

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EXAMINER

KNOWLIN, THJUAN P

ART UNIT

PAPER NUMBER

2614

DATE MAILED: 10/05/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/920,966

Applicant(s)

HORIGUCHI, MASUYO

Examiner

Thjuan P. Knowlin

Art Unit

2614

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 02 August 2006.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 25-42 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 25-42 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 August 2001 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on August 02, 2006 has been entered.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

2. Claims 25-42 are rejected under 35 U.S.C. 103(a) as being unpatentable over Heinonen et al (US 6,671,370), in view of Parvulescu (US 5,821,874), and further in view of Kim (US 6,560,467).

3. In regards to claims 25, 27, 33, 34, 37, and 41, Heinonen discloses a portable cellular phone (See Fig. 2, telephone terminal 23, and telephone terminal 24, and col. 1 lines 11-12) and method being constructed integrally of a main body with a speech function, and a screen (See Fig. 2 and screen 27) to display operational contents (See col. 7 lines 10-12 and col. 7 lines 32-39), comprising: a telephone information

registering unit including a telephone directory memory in which a plurality of different sounds (e.g., ringing indications) are stored (e.g., pre-programmed) so as to be associated with a corresponding plurality of pre-registered calling parties (See col. 9-10 lines 62-18); and a control section to store in an incoming call history storing area in a storing unit, incoming call history information about an unanswered call (e.g., missed called) that was received (See Fig. 5 and col. 9 lines 20-26); Heinonen, however, does not disclose a key operative to provide control signals to said control section to cause said control section to search said call history storing area in said control section and said telephone directory memory and, upon a match resulting from said searching, cause to output one of said plurality of sounds which corresponds to a pre-registered calling party stored in said telephone directory memory; wherein when the unanswered call was received, a sound corresponding to a calling party of the unanswered call is output through operation of said key, whereby each of a plurality of different calling parties may be identified by each of a plurality of different sounds in response to operation of said key. Parvulescu, however, does disclose a key (See Fig. 4, keypad 138, and col. 4 lines 20-23) operative to provide control signals to said control section to cause said control section to search said incoming call history (i.e., messages pertaining to missed calls) storing area in said control section and said telephone directory memory (e.g., electronic phone book such as a Rolodex type database stored within the messaging terminal) and, upon a match resulting from said searching, cause to output one of said plurality of sounds (i.e., audio signal pertaining to the name or identification of the caller) which corresponds to a pre-registered calling party stored in

Art Unit: 2614

said telephone directory memory (See Abstract and col. 2-3 lines 65-27), said key being configured to be operated by a called party (See col. 4 lines 20-23); wherein when the unanswered call was received, a sound (i.e., audio signal pertaining to the name or identification of the caller) corresponding to a calling party of the unanswered call is output through operation of said key, whereby each of a plurality of different calling parties may be identified by each of a plurality of different sounds in response to operation of said key (See col. 3 lines 20-27 and col. 3 lines 64-65). Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to incorporate these features within the system, as a way of providing a wireless terminal user with the capability of storing, retrieving, and receiving audio signals, which correspond to various pre-stored callers. Heinonen, also, does not disclose a foldable portable cellular phone being constructed of a lid body and, in a manner that said lid body is foldable relative to said main body. Kim, however, does disclose a foldable portable cellular phone (See Fig. 1, Fig. 3, mobile phone 10, and col. 2 lines 60-62) being constructed of a lid body and, in a manner that said lid body is foldable relative to said main body (See col. 1 lines 47-55). Therefore, it would have been obvious for one of ordinary skill in the art at the time of the invention to employ the features within a foldable portable cellular phone as a way of allowing the user to be able to receive notification of a missed incoming call, while the cellular phone is still in a fold state.

4. In regards to claims 26 and 36, Heinonen discloses the portable cellular phone, wherein said control section is configured to cause to output one of said plurality of sounds corresponding to a second one of said pre-registered calling parties who called

prior to a first one of said pre-registered calling parties in response to multiple successive operations of said key (See col. 7 lines 19-44). Heinonen, however, does not disclose a foldable portable cellular phone. Kim, however, does disclose a foldable portable cellular phone (See Fig. 1, Fig. 3, mobile phone 10, and col. 2 lines 60-62).

5. In regards to claims 28, 32, and 38, Heinonen discloses the portable cellular phone, wherein said sounds are produced by a ringer generator (See col. 6 lines 17-38 and col. 9-10 lines 62-18). Heinonen, however, does not disclose a foldable portable cellular phone. Kim, however, does disclose a foldable portable cellular phone (See Fig. 1, Fig. 3, mobile phone 10, and col. 2 lines 60-62).

6. In regards to claims 29, 39, and 42, Heinonen and Parvulescu disclose all of claim 29 limitations, except the foldable portable cellular phone, wherein vibration is employed in addition to said sounds. Kim, however, does disclose the foldable portable cellular phone, wherein vibration is employed in addition to said sounds (See Abstract and col. 1 lines 47-55).

7. In regards to claims 30, 35, and 40, Heinonen discloses the portable cellular phone, wherein said call history information includes the name of a calling party (See Fig. 5). Heinonen, however, does not disclose a foldable portable cellular phone. Kim, however, does disclose a foldable portable cellular phone (See Fig. 1, Fig. 3, mobile phone 10, and col. 2 lines 60-62).

8. In regards to claim 31, Heinonen discloses the portable cellular phone, wherein said call information history includes the time an unanswered call was received (See Fig. 5). Heinonen, however, does not disclose a foldable portable cellular phone. Kim,

however, does disclose a foldable portable cellular phone (See Fig. 1, Fig. 3, mobile phone 10, and col. 2 lines 60-62).

Response to Arguments

9. Applicant's arguments with respect to claims 25-42 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

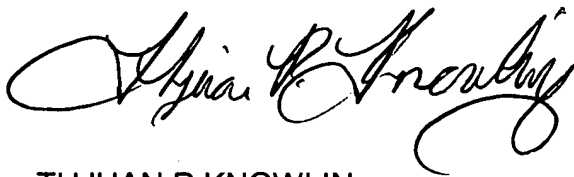
10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Horan (US 6,347,136) teaches a calling party announcement message management systems and methods. Kung et al (US Patent Application Publication, Pub. No.: US 2003/0133558 A1) teach multiple call waiting in a packetized communication system. Patel et al (US 6,807,259) teach audible calling line identification. Winnett (US 6,603,848) teaches techniques for providing caller name announcement.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thjuan P. Knowlin whose telephone number is (571) 272-7486. The examiner can normally be reached on Mon-Fri 8:30-5:00pm.

12. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Wing Chan can be reached on (571) 272-7493. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Art Unit: 2614

13. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

A handwritten signature in black ink, appearing to read 'Thjuan P. Knowlin', with a stylized, cursive script.

THJUAN P KNOWLIN
PATENT EXAMINER
TECHNOLOGY CENTER 2600